

Draft UIC Permit Technical Review with EPA

Wed 06/02/2010 9:00 AM - 11:00

Attendance is required for Michele Dermer

Chair:

Damonica.Pierson@Shell.com <Damonica.Pierson@Shell.com>

Sent By: Location:

WCK Meeting Room TBD and Telecon 713/423-0600 or 1-866-761-0750, PIN

12857986#

Required:

Rich.Moen@shell.com, Haibin.Xu@shell.com, Robin.Ozah@shell.com,

ken.flodberg@shell.com, Brian.Perry@shell.com, Michele Dermer/R9/USEPA/US, George

Robin/R9/USEPA/US

Time zones:

This entry was created in a different time zone. The time in that time zone is: Wed 06/02/2010

11:00 AM CDT - 1:00 PM CDT

Description

Meeting Purpose: To review and discuss Shell's comments on the Draft UIC Permit

Dialing Instructions: 713/423-0600 or 1-866-761-0750, PIN 12857986#

EPA Attendees: Michele Dermer--Environmental Scientist, UIC and George Robin--Engineer, UIC Shell Attendees: DaMonica Pierson--Sr. Technical Advisor, Rich Moen--Project Leader, CO2 Sequestration, Haibin Xu--Petrophysicist, Robin Ozah--Reservoir Engineer, Ken Flodberg--Drilling Engineer, Brian Perry--Well Completions Engineer

DaMonica Pierson Sr. Technical Advisor Shell Exploration and Production **Upstream Americas CO2/CCS** 150 N. Dairy Ashford Houston, TX 77079

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Personal Notes

Revi

Technical Review Discussion with C6 on the April 2010 Draft UIC permit

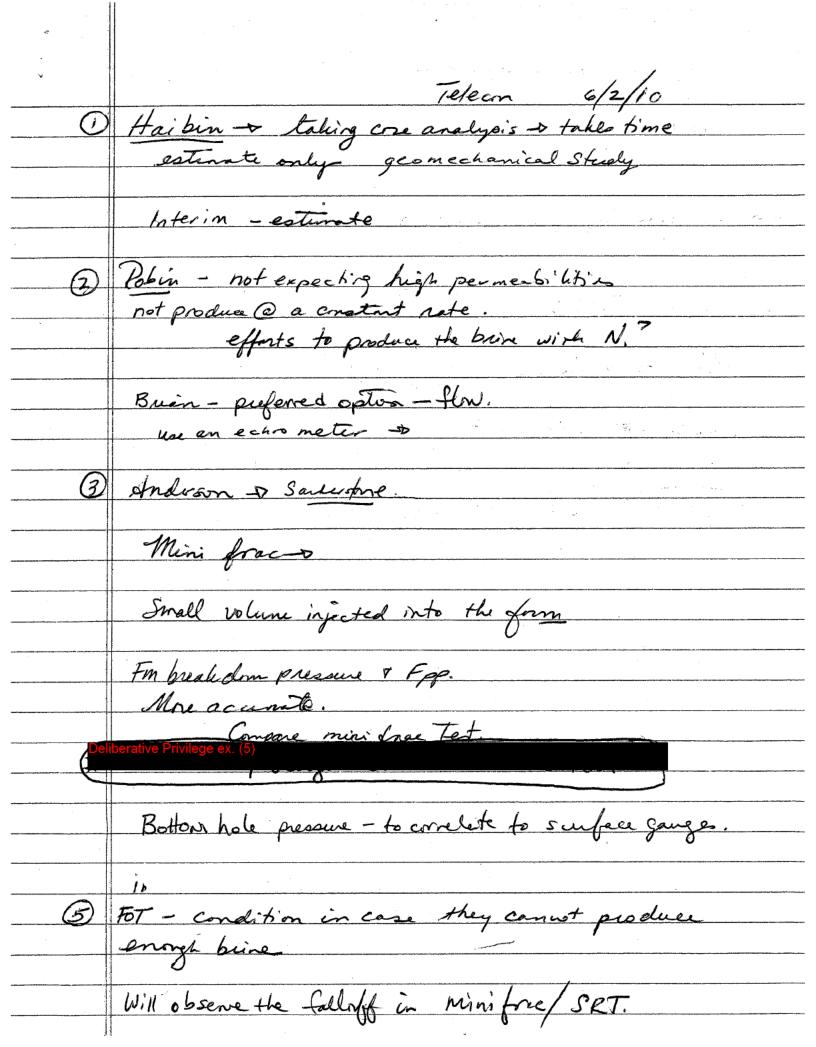
Questions on the Redline of the draft permit submitted by C6

- 1. Page 9 Why was the requirement for the computation of reservoir compressibility deleted?
- 2. Page 9 Why was the reporting of the pressure build up deleted?
- 3. Page 11- please provide additional language on Fluorescein to include in the permit
- 4. Page 11 provide additional explanation of the mini injectivity test which formation will it be conducted on? Andercon
- 5. Page 11 why "may" the initial FOT be conducted, rather than "shall" be conducted?
- 6. Page 13 why is the final FOT deleted?
- 7. Page 17 the application (Page 8 Attachment P) says one well for seismic monitoring, permit now says three please clarify. Also, need to include correct explanation of monitoring equipment and data to be provided.
- 8. Page 19 what is the source of the carbon dioxide?
- 9. Page 28 thermal conductivity monitoring clarify wording of what information will be monitored and reported.
- 10. Additional Monitoring if additional monitoring is proposed it should be identified and included in the permit.
- 11. Page 31 must provide reports to agencies listed
- 12. Appendix I Operation Time line why deleted?

Additional questions from application

- 1. Attachment L, Page 12 where is there an existing approved injection well in Rio Vista?
- 2. Attachment O, Page 1 who is the Executive Director?
- 3. Attachment P. Page 8 are there more details on the proposed 100 foot well for seismic monitoring?
- 4. How many seismic array wells will be installed and how does C6 plan to construct and permit these? Plans for their P&A?

Shell to propose propose wording!



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